High-temperature fluoropolymer, silicone & HV wires

UL 11486 260°C PTFE

UL AWM 11486 600 V 260 °C PTFE Hook-Up Wire

UL 758 Style 11486 600 V 260 °C extruded PTFE fluoropolymer wire

UL AWM Style 11486 | 600 V · +260 °C | Fluoropolymer HT

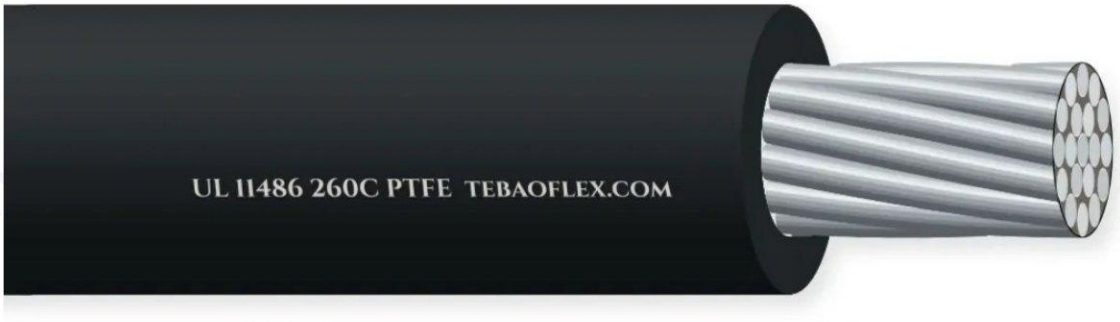


Application

UL 11486 260 °C PTFE uses nickel-plated copper conductors and continuous 260 °C extruded PTFE fluoropolymer insulation rated 600 V for high-temperature industrial ovens, semiconductor heaters, and exhaust sensors.

Typical uses: Industrial ovens, kilns & thermal processing, Aerospace avionics, defence & instrumentation, Steelworks, glassworks & foundry equipment, Switchgear cabinets, motors & heating appliances

Construction





Cross-section, not to scale

1	Conductor	ASTM B355 Class K stranded nickel-plated annealed copper · ASTM B355 Nickel Cu
2	Extruded insulation	Black extruded PTFE fluoropolymer insulation (260 °C) · UL AWM Style 11486

Technical data

Typical values

Rated voltage	600 V	**Test voltage**	2.5 kV AC
Conductor	Nickel-Plated Cu	**Insulation**	Black extruded PTFE fluoropolymer
Impedance / insulation	≥ 1,000 MΩ·km at 20 °C	**Temp. range (fixed)**	-100 °C to +260 °C
Temp. range (flexing)	-65 °C to +260 °C	**Peak / short-circuit**	+300 °C (short-term)
Min. bending radius	6 × OD (fixed)	**Flame / fire rating**	UL VW-1 Flame
Thermal / chemical	260 °C Continuous PTFE	**Mechanical / special**	Zero Outgassing / Inert
Outer finish	Black 260 °C extruded PTFE fluoropolymer		

Sizes

8 standard constructions

Tick the sizes you need and send this page to info@tebaoflex.com or WhatsApp +86 185 9591 3361.

	Conductor AWG	Outer Ø ≈ mm	Max. R20 Ω/km	Metal index kg/km	Weight ≈ kg/km	Min. bend R 6×D mm
☐	1×24 AWG	1.4	102.68	2	11	8.4
☐	1×22 AWG	1.6	64.75	3	12	9.6
☐	1×20 AWG	1.8	40.00	5	14	10.8
☐	1×18 AWG	2.0	25.29	7	17	12.0
☐	1×16 AWG	2.4	16.02	12	25	14.0
☐	1×14 AWG	2.8	9.89	19	37	17.0
☐	1×12 AWG	3.3	6.22	30	57	20.0
☐	1×10 AWG	3.9	3.91	48	89	23.0

- Conductor DC resistance R20 at 20 °C per ASTM B355 Nickel Cu.
- Minimum bending radius calculated at 6 × nominal outer diameter (OD). Custom core counts and lengths available on request.

Standards and approvals

- UL AWM Style 11486
- UL 758
- CSA AWM I A/B
- EN 10204 3.1 Factory Test Certificate
- CE, RoHS 2 (2011/65/EU) & REACH

Certifications

Management systems: ISO 9001, ISO 14001, ISO 45001

Request a quotation

Send the size, length and destination. An application engineer replies within 2 business hours.

WhatsApp / phone
+86 185 9591 3361

Email
info@tebaoflex.com

Web
tebaoflex.com/cables/ul-11486-600v-260c-ptfe-high-temp-hook-up-wire

Typical values for this cable type, based on UL AWM Style 11486 · UL 758 · CSA AWM I A/B. Values for your order are confirmed in the quotation. Subject to change without notice. Jiangsu Tebaoflex Special Cable Co., Ltd., Taicang, Jiangsu, China.